DOCUMENT RESUME

ED 409 776 HE 030 286

| | |
|---|---|
| AUTHOR | Pitter, Gita Wijesinghe; And Others |
| TITLE | Hours to Graduation: A National Survey of Credit Hours Required for Baccalaureate Degrees. |
| INSTITUTION | State Univ. System of Florida, Tallahassee. |
| PUB DATE | May 96 |
| NOTE | 34p.; Paper presented at the Association for Institutional Research Annual Forum (36th, Albuquerque, NM, May 5-8, 1996). |
| PUB TYPE | Numerical/Quantitative Data (110) -- Reports - Research (143) -- Speeches/Meeting Papers (150) |
| EDRS PRICE | MF01/PC02 Plus Postage. |
| DESCRIPTORS | Allied Health Occupations Education; *Bachelors Degrees; *College Credits; Data Analysis; *Degree Requirements; Degrees (Academic); Engineering Education; Higher Education; Professional Education; Public Colleges; Public Education; Required Courses; State Norms; State Surveys; State Universities; Tables (Data); Technical Education; Undergraduate Study; Universities; Vocational Education |
| IDENTIFIERS | *State University System of Florida; *Time to Degree |

ABSTRACT

In the context of an increased emphasis on accountability in higher education and time taken to earn a baccalaureate degree, the Board of Regents of the State University System of Florida conducted a national survey of 75 public universities concerning the minimum credit hours required for the baccalaureate degree for various disciplines. The survey confirmed earlier studies showing an upward creep in credit hours required for most fields. As a result, the Florida State University System reduced 506 of its 614 Bachelor's programs to 120 hours, with the exceptions being mainly in engineering, visual and performing arts, and the health professions. Four text tables summarize data on disciplines with low, moderate, and high credit-hour requirements, and for 5-year baccalaureate programs. The appendix describes data reporting and analysis techniques, lists participating institutions, and defines terms used in the report. Also appended are survey results by discipline, including agribusiness, agricultural sciences, natural resources, architecture and environmental design, area and ethnic studies, communication, computer science, education, engineering, foreign languages, home economics, law, letters, liberal studies, life sciences, mathematics, multi/interdisciplinary studies, leisure and fitness, philosophy and religion, physical sciences, psychology, protective services, public services, social sciences, production trades, transportation, visual and performing arts, health professions, and business and management. (CH)

**********
* Reproductions supplied by EDRS are the best that can be made *
* from the original document. *
**********

# Hours to Graduation: A National Survey of Credit Hours Required for Baccalaureate Degrees

ED 409 776

**Dr. Gita Wijesinghe Pitter**
**Dr. R.E. LeMon**
**Ms. Claudia H. Lanham**

Office of Academic Programs
State University System of Florida

NE 030 286

U.S. DEPARTMENT OF EDUCATION
Office of Educational Research and Improvement
EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)

✓ This document has been reproduced as received from the person or organization originating it.

☐ Minor changes have been made to improve reproduction quality.

• Points of view or opinions stated in this document do not necessarily represent official OERI position or policy.

PERMISSION TO REPRODUCE AND DISSEMINATE THIS MATERIAL HAS BEEN GRANTED BY

Gita Wijesinghe Pitter

TO THE EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)

BEST COPY AVAILABLE

# Hours to Graduation: A National Survey of Credit Hours Required for Baccalaureate Degrees

## ABSTRACT

Accountability has given rise to renewed interest in how long it takes to earn a baccalaureate degree. In recognition of the growing number of part-time students, some states have shifted their focus from the length of time, to the number of credit hours required to complete baccalaureate degrees. Can 120 hours still be considered the norm? In order to address this issue, the State University System of Florida conducted a survey of major public institutions in the United States. This publication will discuss the findings of the 1995 survey on credit hours required for baccalaureate degrees in a wide array of disciplines.

# Table of Contents


Introduction..... 1
Background ..... 2
Methodology..... 3
Analysis..... 4
Conclusion..... 10
References..... 13
Appendix:..... 14
Comments on data reporting and analysis..... 15
List of Participants..... 17
Definition of Terms..... 18
Survey Results by Discipline:..... 19
Agribusiness and Production..... 19
Agriculture Sciences..... 19
Natural Resources..... 19
Architecture and Environmental Design..... 19
Area and Ethnic Studies..... 20
Mass Communication..... 20
Computer Science..... 20
Education..... 21
Engineering..... 22
Engineering Technology..... 23
Foreign Languages..... 23
Home Economics..... 23
Law..... 24
Letters..... 24
Liberal Studies..... 24
Life Sciences..... 24
Mathematics..... 24

Multi / Interdisciplinary Studies..... 24
Leisure and Fitness..... 25
Philosophy and Religion..... 25
Physical Sciences..... 25
Psychology..... 25
Protective Services..... 25
Public Services..... 25
Social Sciences..... 26
Production Trades..... 26
Transportation..... 26
Visual and Performing Arts..... 27
Health Professions..... 28
Business and Management..... 29

# Hours to Graduation: A National Survey of Credit Hours Required for Baccalaureate Degrees

## Introduction

The purpose of this publication is to present and discuss the findings of a national survey on the number of credit hours required for baccalaureate degree programs in the various disciplines. The survey was conducted by the Board of Regents for the State University System of Florida.

The accountability movement in higher education today is making sweeping changes in many aspects of academic programs. A growing concern in many states is the length of time and resources required to complete a bachelor's degree. Traditionally, the requirements of a bachelor's degree were considered to be 120 semester hours, or 180 quarter hours, which could be completed in four years. In recent years, an upward creep in the number of credit hours required in some disciplines has become evident. Lawmakers who are under pressure to provide increasing funds to fight crime while not increasing taxes, are seeking ways to reduce the public costs of higher education. Reducing the credit hours required for graduation is seen by many legislators as one means of reducing resources and time required to complete a bachelor's degree, and thereby increasing access to more students.

## Background

Data from the National Center for Educational Statistics (NCES) indicate that the mean number of credit hours required for a bachelor's degree increased from 126 credits for the high school class of 1972 to 139.4 credits for the high school class of 1982, a 9.6 percent increase (Adelman, 1995). In the past few years several states have taken steps to reduce the number of hours taken by students as well as the number of hours required for graduation.

A study by the South Carolina Commission on Higher Education published in February 1996 found that some states have opted for a highly centralized approach, often involving tuition surcharges, while others have chosen a more decentralized approach. For example, North Carolina and the Montana University System have instituted tuition surcharges for credit hours taken beyond a specified number of hours. The State University System of Florida (SUS) will soon institute similar surcharges. Some states and institutions have taken the approach of reducing credit hours required for baccalaureate degrees. For example, the Arizona Board of Regents and the Florida Board of Regents, beginning in Fall 1996, will reduced nearly all baccalaureate degree requirements to 120 semester hours. The University of

Wisconsin System has chosen a more decentralized approach, requiring each institution to decrease the number of credits required for graduation, and leaving it up to the institution to determine the amount of the reduction. The State College and University Systems of West Virginia are requiring institutions to offer courses in a manner which provides for timely graduation, and the institutional boards are considering limiting the requirements to 120 semester hours. Marshall University has already adopted such a policy. Based on the comments received during the survey conducted by the Florida Board of Regents (BOR), several other institutions across the country have instituted or are considering policies to reduce the number of credit hours required for graduation. What follows is the methodology and findings of the national survey on credit hours conducted by the Florida BOR.

## Methodology

In 1995 the Florida legislature required the SUS to reduce the credit hours required for all baccalaureate degrees to 120, with provision for some exceptions to be designated by the BOR. In executing this task the Board wanted to ensure that exceptions were granted in the appropriate disciplines so that students would be adequately prepared in their field. Discovering the

norms in credit hour requirements for each discipline therefore became an important task.

A survey questionnaire was mailed in April 1995 to 91 public universities in the United States. Selection of the sample was based on representation from all of the 50 states, and enrollment size (medium to large enrollments). A follow-up letter was mailed in May 1995. The final count of institutions that provided usable responses was 71, a 78% rate of return. To provide representation of public universities in Florida, credit hour requirements of four institutions from the SUS were added to the survey, bringing the total number of participating institutions to 75.

The purpose of the survey was to determine the norms for credit hour requirements in the various disciplines, at public institutions of higher education. The survey focused on the minimum hours required by the curriculum for each program, rather than the actual hours attempted by students in the process of obtaining a degree.

The details of the methodology used to conduct the survey and perform the analysis are described in the appendix, along with the detailed results of the survey.

## Analysis

The survey report in the appendix provides detailed data on

344 six-digit Classification of Instructional Programs (CIP) codes. In every discipline (the two digit CIP level) at least one program reported requiring only 120 credit hours. However, the proportion of programs at 120 hours varied considerably by discipline. At the high end, 14 of 30 disciplines reported at least one program requiring over 140 hours. The following analysis addresses some of the patterns which emerged from the survey.

**Disciplines with Low Credit Hour Requirements**

**Table 1**
**Low Credit Hour Requirements**

| Discipline | No. of programs offered | Mean | Median |
|---|---|---|---|
| Liberal Studies | 75 | 123.0 | 120.0 |
| Area & Ethnic Studies | 186 | 122.5 | 120.0 |
| Foreign Language | 468 | 122.9 | 120.5 |
| Social Sciences | 446 | 123.2 | 122.0 |
| Letters | 143 | 123.3 | 122.0 |
| Protective Services | 45 | 123.2 | 122.0 |
| Philosophy & Religion | 107 | 123.4 | 123.0 |
| Psychology | 77 | 123.8 | 122.5 |
| Mathematics | 130 | 123.7 | 122.0 |
| Multi-Discipl. Studies | 51 | 124.1 | 124.0 |

Disciplines that have maintained a relatively low credit hour requirement for graduation, where 40% or more of the programs reported 120 credit hours appear in Table 1. They consist mainly of liberal arts and social science disciplines.

**Disciplines with Moderate Credit Hour Requirements**

Disciplines that could be considered middle-of-the-road in credit hour requirements, where 25% to 39% of the programs required 120 credit hours were primarily in sciences, communication, business, and visual and performing arts. The disciplines along with the means and medians appear in Table 2.

The visual and performing arts varied considerably by subdiscipline, with motion pictures and visual arts programs averaging 122.9 (median 122.3) and 124.1 (median 122.6) respectively, at the low end, and music programs averaging 128.6 (median 127.7), at the high end. While most music disciplines reported some programs at 120 hours, the maximum hours required in the subdisciplines were as high as the 150 - 160 hour range, providing great variation even within the discipline of music. As expected, subdisciplines with bachelor of fine arts programs tended to have higher credit hour requirements than bachelor of arts programs, presumably due to higher skill requirements.

**Table 2**
**Moderate Credit Hour Requirements**

| Discipline | No. of programs offered | Mean | Median |
|---|---|---|---|
| Life Sciences | 279 | 124.9 | 124.0 |
| Public Services | 67 | 124.3 | 124.0 |
| Physical Sciences | 291 | 124.5 | 124.0 |
| Computer Science | 73 | 125.1 | 124.0 |
| Mass Communication | 168 | 124.3 | 124.0 |
| Visual & Perform. Arts | 512 | 126.0 | 124.0 |
| Business & Management | 428 | 125.7 | 126 |

Home economics fell between the "moderate" and "high" categories with less than 25% of the programs at 120 hours, but with the same median number of hours as business (126). Leisure and fitness fell between the "moderate" and "high" categories also, with 18% of the programs at 120 hours, and a median of 127.

**Disciplines with High Credit Hour Requirements**

Disciplines with relatively high credit hour requirements, where the median was at or above 128 hours, less than 25% of the programs were at 120, and more than 30% of the programs were over 128, were education, natural resources, health professions, agribusiness, agriculture, architecture, engineering technology, engineering, and transportation. Table 3 lists the programs in this category.

Table 3
High Credit Hour Requirements

| Discipline | No. of programs offered | Mean | Median |
|---|---|---|---|
| Education | 693 | 128.3 | 128.0 |
| Natural Resources | 94 | 127.6 | 128.0 |
| Health Professions | 295 | 130.8 | 128.0 |
| Agribusiness/Production | 75 | 127.3 | 128.0 |
| Agriculture Sciences | 178 | 126.9 | 128.0 |
| Architecture | 87 | 141.9 | 139.0 |
| Engineering Technology | 84 | 130.1 | 129.0 |
| Engineering | 513 | 132.2 | 132.0 |
| Transportation | 9 | 128.7 | 128.5 |

It is interesting to note that the professional programs, such as the health professions, engineering, education, and architecture, tend to cluster at the high end of credit hour requirements.

The health professions varied among the subdisciplines. Among the most frequently reported programs, only speech pathology/audiology (mean 123.9, median 124) had a median requirement of less than 128 credit hours. The median hours required in professions such as nursing, pharmacy (five year programs), physical therapy, medical technology, and occupational therapy all were at or over 128 hours, which would place them in the "high" category of required hours.

Education presents a unique situation. Teacher education

programs tend to have relatively high credit hour requirements because they combine the knowledge and skills of a content area (e.g. music, mathematics) with pedagogical skills for certification. Several comments on the survey noted that additional credit hours (beyond those reported) were necessary to fulfill certification requirements. Therefore the true requirements for teacher education programs, including certification requirements, are probably higher than those reflected in the survey.

**Five Year Baccalaureate Programs**

Some disciplines have both four year programs and formally designated five year programs at the baccalaureate level. The four year programs are generally not considered "professional" programs leading to licensure, while the five year programs do meet the requirements for licensure. Table 4 lists the disciplines with five year baccalaureate programs.

**Table 4**
**Five Year Baccalaureate Programs**

| Discipline | No. of programs offered | Mean | Median |
|---|---|---|---|
| Interior Design | 3 | 156.0 | 156.0 |
| Landscape Architecture | 13 | 157.4 | 157.0 |
| Pharmacy | 17 | 164.7 | 161 |
| Architecture | 19 | 163.6 | 163 |

**Post-baccalaureate Programs**

While many administrators in higher education grapple with the need to reduce hours required for baccalaureate degrees, there is also pressure in the opposite direction to increase the knowledge and skill level of those entering professions. Professionals and faculty in some fields, notably in the health professions, argue that the increasing complexity of the services or products their fields supply, and the changing nature of their disciplines and society, demand an education beyond the baccalaureate degree. If current proposals being considered by the professional associations in pharmacy and physical therapy come to fruition, the only accredited first professional degree programs in these fields will be at the post-baccalaureate level (Pharm.D. and master's or DPT respectively). Some physician assistant programs are also converting to the master's level. In regard to other disciplines, some teacher education programs have converted to master's level, and five-year programs culminating in a master's degree are developing in fields such as engineering and business.

## Conclusion

Previous studies have documented what many suspected: that there has been an upward creep in credit hours required for baccalaureate degrees. With fiscal concerns looming large, both

private and public institutions are seeking to reduce costs by various methods aimed at decreasing the time spent in obtaining a degree. One obvious means of doing so is to reduce the credit hours required.

The survey conducted by the SUS attempted to assess the norms in credit hour requirements among public institutions. The results could be helpful to institutions seeking to analyze their required hours, by providing information on where their own programs may have requirements exceeding the norm, and which programs should be considered as exceptions to the 120 hour rule.

In the SUS, the results of the survey, in addition to other relevant information, guided a dramatic reduction of hours within the span of one year. Of the 614 bachelor's program in the system, 506 were reduced to 120 hours. The exceptions to 120 hours fall mainly within the disciplines of engineering, visual and performing arts, and health professions.

It is interesting to note that programs in the liberal arts and sciences, and social sciences, which aim at educating students in the broad, traditional sense of the term, appear to have kept requirements close to the 120 hour mark.

On the other hand, professional programs (e.g. engineering, education, health, architecture) tend to have higher credit hour

requirements. The increased expectations regarding the skill level of those entering these professions, the need to function independently, accreditation requirements, and licensure all probably contribute to the increased hours.

Ironically, the pressure to decrease the hours required for baccalaureate degrees may increase the impetus for some programs, such as teacher education, pharmacy, and physical therapy, to convert to post-baccalaureate programs. A more general concern is that the simultaneous movement to reduce the hours required and to institute a tuition surcharge for "excess" hours taken by students, will place many students in lock-step curricula with little room for electives, denying them the opportunity to change majors, or to explore ideas and cultivate their minds.

The move to reduce credit hour requirements should have some positive outcomes, including reducing costs and taking a fresh look at curricula which may be in need of an overhaul. While few would question the need for increased efficiency, we should all strive to ensure that students are not limited to a narrow training but are exposed to a breadth of knowledge that enriches their lives and that they may continue to build on the rest of their lives.

## References

Adelman, C. The New College Course Map and Transcript Files. National Institute on Postsecondary Education, Libraries, and Lifelong Learning, Office of Educational Research and Improvement, U.S. Department of Education, 1995.

South Carolina Commission on Higher Education. Credit Hours to Degree: Comparative Data for Baccalaureate Degree Programs at Public Colleges and Universities in South Carolina. Academic Years 1995-96 and 1985-86. February 1996.

# Appendix

## Comments on Data Reporting and Analysis

**Semester Hours vs Quarter Hours**

Some responding institutions were on quarter hours. All these responses were converted to semester hours, and the results reported uniformly in semester hours. The conversion table used to convert quarter hours to semester hours is included in the appendix.

**Consolidation of Programs**

Some programs that were not offered in the State University System of Florida, and were reported by only one or two institutions, were grouped together if they had similar (although not the same) program titles, or were grouped in an "other" category under the given discipline.

**Ranges in Credit Hour Requirements**

Some responses indicated ranges in the credit hour requirements for a degree program. Ranges were generally due to different tracks within a program. In order to calculate, each university was set up with two columns, one to report the minimum and the other to report the maximum number in the range. If a response reported a single number rather than a range, that number was repeated in both columns. The count of responses only counts each institution's response once per program.

**Four and Five Year Programs**

Some programs may be offered as four or five year programs. When responses indicated a five year program, they were reported separately from the four year program. For programs that are widely recognized as having four and five year programs, but which did not specify whether four or five year, a determination was made based on the number of credit hours required. When an architecture or pharmacy program reported 150 or more credit hours, it was categorized as a five year program.

**Teacher Education Programs**

Several teacher education programs had comments which indicated that the actual number of credit hours students needed to complete was more than the required hours indicated. The following are examples of comments:

"BA Education requires 120 (credit hours), but in order for students to be marketable most get a minor which is an additional 18-21 credits."

"Regarding all Education majors -- a bachelor's degree can be earned with 126 hours (4 years) but certification requires a fifth year."

These comments are captured in a footnote at the bottom of the education section of the results.

# List of Participating Institutions

The following is a list of all universities which provided usable responses to the survey.

ARIZONA STATE UNIVERSITY
AUBURN UNIVERSITY
BALL STATE UNIVERSITY
FLORIDA STATE UNIVERSITY
GEORGIA STATE UNIVERSITY
GEORGIA TECH
INDIANA STATE UNIVERSITY
IOWA STATE UNIVERSITY
KANSAS STATE UNIVERSITY
LOUISIANA STATE UNIVERSITY
MICHIGAN STATE UNIVERSITY
MISSISSIPPI STATE UNIVERSITY
NEW MEXICO STATE UNIVERSITY
NORTH CAROLINA STATE UNIVERSITY
OHIO STATE UNIVERSITY - COLUMBUS
OHIO UNIVERSITY
PENNSYLVANIA STATE UNIVERSITY
SOUTHERN ILLINOIS UNIVERSITY- CARBONDALE
STATE UNIVERSITY OF NEW YORK - BINGHAMTON
STATE UNIVERSITY OF NEW YORK - STONY BROOK
TEMPLE UNIVERSITY
TENNESEE STATE UNIVERSITY
TEXAS A & M UNIVERSITY
TEXAS SOUTHERN UNIVERSITY
UNIVERSITY OF ALABAMA - TUSKALOOSA
UNIVERSITY OF ALABAMA - BIRMINGHAM
UNIVERSITY OF ALASKA - FAIRBANKS
UNIVERSITY OF ARKANSAS
UNIVERSITY OF CALIFORNIA - IRVINE
UNIVERSITY OF CALIFORNIA - LOS ANGELES
UNIVERSITY OF CENTRAL FLORIDA
UNIVERSITY OF CINNCINATI
UNIVERSITY OF COLORADO - BOULDER
UNIVERSITY OF DELAWARE
UNIVERSITY OF FLORIDA
UNIVERSITY OF GEORGIA
UNIVERSITY OF HOUSTON
UNIVERSITY OF ILLINOIS - CHICAGO
UNIVERSITY OF ILLINOIS - URBANA CHAMPAIGNE
UNIVERSITY OF KANSAS
UNIVERSITY OF KENTUCKY
UNIVERSITY OF LOUISVILLE
UNIVERSITY OF MAINE
UNIVERSITY OF MARYLAND - BALTIMORE COUNTY
UNIVERSITY OF MARYLAND - COLLEGE PARK
UNIVERSITY OF MARYLAND - EASTERN SHORE
UNIVERSITY OF MASSACHUSETTS - BOSTON
UNIVERSITY OF MICHIGAN - ANN ARBOR
UNIVERSITY OF MINNESOTA - TWIN CITIES
UNIVERSITY OF MISSISSIPPI
UNIVERSITY OF MISSOURI - COLUMBIA
UNIVERSITY OF MISSOURI - KANSAS CITY
UNIVERSITY OF MONTANA
UNIVERSITY OF NEBRASKA - LINCOLN
UNIVERSITY OF NEVADA - LAS VEGAS
UNIVERSITY OF NEW HAMPSHIRE
UNIVERSITY OF NEW ORLEANS
UNIVERSITY OF NORTH CAROLINA - CHAPEL HILL
UNIVERSITY OF NORTH DAKOTA
UNIVERSITY OF OKLAHOMA
UNIVERSITY OF OREGON
UNIVERSITY OF PITTSBURGH
UNIVERSITY OF RHODE ISLAND
UNIVERSITY OF SOUTH FLORIDA
UNIVERSITY OF TENNESSEE - KNOXVILLE
UNIVERSITY OF TEXAS - AUSTIN
UNIVERSITY OF TEXAS - EL PASO
UNIVERSITY OF VIRGINIA
UNIVERSITY OF WASHINGTON
UNIVERSITY OF WISCONSIN - MADISON
UNIVERSITY OF WYOMING
UNIVERSTIY OF MASSACHUSETTS - AMHERST
WASHINGTON STATE UNIVERSITY
WEST VIRGINIA UNIVERSITY
WESTERN MICHIGAN UNIVERSITY

75 NATIONAL COLLEGES AND UNIVERSITIES

# Definition of Terms

**CIP:** The six digit codes from the Classification of Instructional Programs (CIP codes) were used to classify degree programs. The CIPs are the U.S. Department of Education's standard educational program classification system.

**Degree Title:** The name of the degree program

**Count of Universities Offering Program:** The number of responding institutions which provided credit hour information on the particular program.

**Credit Hours:** The least number of semester hours required to complete a bachelor's degree (freshman through graduation).

**Minimum:** The lowest number of required credit hours reported by responding institutions.

**Maximum:** The highest number of required credit hours reported by responding institutions.

**Mean:** The mean average of all responses for the particular program.

**Median:** The median of all responses for the particular program. In cases where a program had only one responding institution, but that institution indicated a range in the credit hour requirement, the mean average was reported for the median as well.

SURVEY OF PUBLIC UNIVERSITIES AND COLLEGES
SEMESTER CREDIT HOURS REQUIRED TO COMPLETE BACCALAUREATE DEGREE

| CIP | DEGREE TITLE | COUNT OF UNIVERSITIES OFFERING PROGRAM | MINIMUM | MAXIMUM | MEAN | MEDIAN |
|---|---|---|---|---|---|---|
| **AGRIBUSINESS / PRODUCTION** | | | | | | |
| 01.0102 | Ag Busi & Operations | 25 | 120 | 135 | 127.2 | 128.0 |
| 01.0103 | Ag (Food and Res) Econ | 25 | 120 | 136 | 126.7 | 128.0 |
| 01.0104 | Farm & Ranch Mgmt | 1 | 128 | 128 | 128.0 | 128.0 |
| 01.0201 | Ag Mechanics | 5 | 124 | 132 | 127.4 | 127.0 |
| 01.0401 | Food Processing/Packaging | 3 | 120 | 130 | 126.7 | 130.0 |
| 01.0404 | Feed Science & Mgmt | 1 | 127 | 127 | 127.0 | 127.0 |
| 01.0601 | Horticulture/Floriculture Mgmt | 3 | 129 | 132 | 130.3 | 130.0 |
| 01.0606 | Landscape Operations & Mgmt | 8 | 120 | 134 | 128.0 | 129.0 |
| 01.0607 | Turfgrass Science | 2 | 128 | 130 | 129.0 | 129.0 |
| 01.0701 | International Agriculture | 2 | 124 | 128 | 126.0 | 126.0 |
| **AGRICULTURE SCIENCES** | | | | | | |
| 02.0101 | Agriculture Science | 18 | 120 | 132 | 126.6 | 128.0 |
| 02.0201 | Animal Science (variety) | 30 | 120 | 136 | 126.9 | 128.0 |
| 02.0206 | Dairy Science | 10 | 120 | 132 | 126.3 | 128.0 |
| 02.0209 | Poultry Science | 10 | 120 | 132 | 127.0 | 128.0 |
| 02.0301 | Food Science & Tech | 26 | 120 | 134 | 126.9 | 128.0 |
| 02.0401 | Plant (& Soil) Sciences | 15 | 120 | 136 | 128.5 | 128.0 |
| 02.0402 | Agronomy and Crop Sci | 24 | 120 | 133 | 126.5 | 128.0 |
| 02.0403 | Horticulture Science | 22 | 120 | 133 | 126.8 | 128.0 |
| 02.0408 | Agriculture Pest Mgmt | 3 | 128 | 132 | 129.3 | 128.0 |
| 02.0409 | Rangeland Ecology | 1 | 132 | 132 | 132.0 | 132.0 |
| 02.0501 | Soils Science | 17 | 120 | 132 | 126.4 | 128.0 |
| 02.9999 | Agriculture, Other | 2 | 124 | 128 | 127.0 | 128.0 |
| **NATURAL RESOURCES** | | | | | | |
| 03.0101 | Natural Resources Mgmt & Plan | 12 | 120 | 138 | 126.8 | 127.0 |
| 03.0102 | Environmental Studies | 34 | 120 | 139 | 126.4 | 126.0 |
| 03.0301 | Marine Fisheries | 5 | 120 | 134 | 126.8 | 130.0 |
| 03.0305 | Aquaculture - Marine Affairs | 2 | 120 | 120 | 120.0 | 120.0 |
| 03.0404 | Ag Forestry - Wood Industries | 6 | 125 | 141 | 132.3 | 131.5 |
| 03.0501 | Forest Res & Conservation | 23 | 120 | 140 | 128.4 | 129.5 |
| 03.0509 | Wood & Paper/Pulp Tech | 2 | 120 | 133 | 126.5 | 126.5 |
| 03.0601 | Wildlife (& Fisheries) Science | 10 | 120 | 137 | 129.8 | 130.0 |
| **ARCHITECTURE** | | | | | | |
| 04.0201 | Architecture - Four Year | 15 | 120 | 146 | 128.5 | 128.0 |
| 04.0201 | Architecture - Five Year | 19 | 150 | 176 | 163.6 | 163.0 |
| 04.0210 | Architectural Studies/History | 3 | 122 | 130 | 126.3 | 127.0 |
| 04.0295 | Design in Arch Studies | 7 | 124 | 160 | 140.6 | 139.0 |
| 04.0301 | Regional / Urban Planning | 9 | 120 | 145 | 125.7 | 122.0 |
| 04.0401 | Environmental Design | 3 | 120 | 128 | 124.0 | 124.0 |
| 04.0501 | Interior Architecture | 1 | 161 | 161 | 161.0 | 161.0 |
| 04.0601 | Landscape Arch - Four Year | 16 | 120 | 147 | 131.0 | 131.0 |
| 04.0601 | Landscape Arch - Five Year | 13 | 150 | 167 | 157.4 | 157.0 |
| 04.9555 | Housing& Land Development | 1 | 135 | 139 | 137.0 | 137.0 |

BEST COPY AVAILABLE

SURVEY OF PUBLIC UNIVERSITIES AND COLLEGES
SEMESTER CREDIT HOURS REQUIRED TO COMPLETE BACCALAUREATE DEGREE

| CIP | DEGREE TITLE | COUNT OF UNIVERSITIES OFFERING PROGRAM | MINIMUM | MAXIMUM | MEAN | MEDIAN |
|---|---|---|---|---|---|---|
| **AREA & ETHNIC STUDIES** | | | | | | |
| 05.0102 | American Studies (USA) | 25 | 120 | 131 | 122.0 | 120.0 |
| 05.0103 | Asian Studies | 26 | 120 | 131 | 122.3 | 120.0 |
| 05.0106 | Russian & E. European Studies | 24 | 120 | 131 | 122.8 | 121.5 |
| 05.0107 | Latin American Studies | 28 | 120 | 131 | 122.6 | 120.5 |
| 05.0199 | Area Studies, Unusual Areas | 4 | 120 | 130 | 123.0 | 121.0 |
| 05.0201 | African-Amer (Black) Studies | 32 | 120 | 131 | 122.2 | 120.0 |
| 05.0202 | Alaska Native Studies | 1 | 130 | 130 | 130.0 | 130.0 |
| 05.0205 | Jewish Studies | 13 | 120 | 131 | 122.3 | 120.0 |
| 05.0207 | Women's Studies | 31 | 120 | 131 | 122.5 | 121.0 |
| 05.0209 | Chicano Studies | 2 | 120 | 131 | 124.8 | 124.0 |
| **MASS COMMUNICATION** | | | | | | |
| 09.0101 | Communication (Mass) | 45 | 120 | 138 | 124.1 | 124.0 |
| 09.0201 | Advertising | 20 | 120 | 131 | 124.1 | 124.0 |
| 09.0401 | Journalism | 48 | 120 | 138 | 124.6 | 124.0 |
| 09.0410 | Magazine Production | 6 | 120 | 124 | 120.8 | 120.0 |
| 09.0480 | Agricommunication | 3 | 126 | 128 | 127.0 | 127.0 |
| 09.0601 | Public Relatns & Org Comm. | 15 | 120 | 131 | 125.0 | 125.0 |
| 09.0701 | Radio & TV Broadcasting | 31 | 120 | 131 | 124.5 | 125.0 |
| **COMPUTER SCIENCE** | | | | | | |
| 11.0101 | Computer & Information Sci | 67 | 120 | 137 | 125.2 | 124.0 |
| 11.0401 | Info Science & Systems | 4 | 120 | 132 | 123.0 | 120.0 |
| 11.0701 | Computer Science | 2 | 120 | 135 | 127.3 | 127.0 |

## SURVEY OF PUBLIC UNIVERSITIES AND COLLEGES
## SEMESTER CREDIT HOURS REQUIRED TO COMPLETE BACCALAUREATE DEGREE

| CIP | DEGREE TITLE | COUNT OF UNIVERSITIES OFFERING PROGRAM | MINIMUM | MAXIMUM | MEAN | MEDIAN |
|---|---|---|---|---|---|---|
| **EDUCATION** | | | | | | |
| 13.0101 | Education, General | 2 | 124 | 131 | 127.3 | 127.0 |
| 13.0401 | Ed Leadership | 1 | 130 | 131 | 130.5 | 130.5 |
| 13.0802 | Ed Psychology | 1 | 130 | 131 | 130.5 | 130.5 |
| 13.1001 | Special Ed - Four Year | 11 | 120 | 149 | 126.9 | 125.0 |
| 13.1001 | Special Ed - Five Year | 1 | 150 | 150 | 150.0 | 150.0 |
| 13.1005 | Ed of the Emotional Handicap | 11 | 120 | 138 | 126.3 | 124.0 |
| 13.1006 | Ed of the Mental Handicap | 16 | 120 | 138 | 125.3 | 123.0 |
| 13.1007 | Multiple Disabilities | 1 | 138 | 138 | 138.0 | 138.0 |
| 13.1009 | Ed of Blind & Visual Handicap | 4 | 120 | 130 | 123.4 | 120.0 |
| 13.1011 | Ed of Specific Learning Disable | 12 | 120 | 150 | 126.8 | 120.0 |
| 13.1012 | Ed of Speech Impaired | 7 | 120 | 148 | 129.1 | 126.0 |
| 13.1201 | Adult Ed | 2 | 128 | 136 | 132.0 | 132.0 |
| 13.1202 | Elementary Teacher Ed | 56 | 120 | 165 | 129.2 | 128.0 |
| 13.1202 | Urban Early & Mid Child Ed | 1 | 131 | 131 | 131.0 | 131.0 |
| 13.1203 | Jr High/Middle School Ed | 14 | 120 | 130 | 124.9 | 125.0 |
| 13.1204 | Pre-Elem/Early Child Ed | 33 | 120 | 172 | 129.6 | 128.0 |
| 13.1205 | Secondary Teacher Ed | 34 | 120 | 162 | 127.8 | 126.0 |
| 13.1299 | Post Secondary Ed | 1 | 124 | 142 | 133.0 | 133.0 |
| 13.1301 | Agricultural Teacher Ed | 23 | 120 | 145 | 130.9 | 130.0 |
| 13.1302 | Art Teacher Ed | 40 | 120 | 152 | 128.4 | 126.0 |
| 13.1303 | Business Teacher Ed | 26 | 120 | 157 | 127.2 | 125.0 |
| 13.1305 | English Teacher Ed | 36 | 120 | 150 | 127.3 | 126.0 |
| 13.1306 | Foreign Lang Teacher Ed | 37 | 120 | 157 | 127.5 | 126.0 |
| 13.1307 | Health Teacher Ed | 29 | 120 | 148 | 127.8 | 128.0 |
| 13.1308 | Home Ec Teacher Ed | 24 | 120 | 145 | 128.6 | 128.0 |
| 13.1311 | Mathematics Teacher Ed | 40 | 120 | 150 | 127.6 | 126.0 |
| 13.1312 | Music Teacher Ed | 46 | 120 | 158 | 131.5 | 130.0 |
| 13.1314 | Physical Ed & Coaching | 48 | 120 | 142 | 128.2 | 128.0 |
| 13.1315 | Reading Teacher Ed | 10 | 120 | 133 | 127.4 | 128.0 |
| 13.1316 | Science Teacher Ed | 39 | 120 | 162 | 129.4 | 128.0 |
| 13.1318 | Social Studies Teacher Ed | 35 | 120 | 157 | 127.9 | 125.0 |
| 13.1320 | Trade, Voc, Ext, Ind. Teacher Ed | 27 | 120 | 139 | 126.1 | 125.0 |
| 13.1324 | Dance Education | 1 | 144 | 144 | 144.0 | 144.0 |
| 13.1325 | Psychology Education | 1 | 124 | 124 | 124.0 | 124.0 |
| 13.1326 | Phys Ed and Health Ed | 1 | 134 | 134 | 134.0 | 134.0 |
| 13.1331 | Speech Ed | 2 | 124 | 132 | 128.0 | 128.0 |
| 13.1336 | Bi-Lingual Ed | 1 | 130 | 131 | 130.5 | 130.5 |
| 13.1395 | Secondary Sci/Math Teach | 17 | 120 | 155 | 128.8 | 126.0 |
| 13.1399 | Journalism Ed | 1 | 124 | 124 | 124.0 | 124.0 |
| 13.1401 | ESOL | 1 | 128 | 131 | 129.5 | 129.5 |

Note: Several universities indicated that education programs (especially secondary programs) required additional hours and/or a fifth year for certification, or a minor for marketability.

BEST COPY AVAILABLE

SURVEY OF PUBLIC UNIVERSITIES AND COLLEGES
SEMESTER CREDIT HOURS REQUIRED TO COMPLETE BACCALAUREATE DEGREE

| CIP | DEGREE TITLE | COUNT OF UNIVERSITIES OFFERING PROGRAM | MINIMUM | MAXIMUM | MEAN | MEDIAN |
|---|---|---|---|---|---|---|
| ENGINEERING | | | | | | |
| 14.0101 | Engineering, General | 18 | 120 | 161 | 130.4 | 128.0 |
| 14.0201 | Aerospace Engineering | 29 | 127 | 140 | 133.4 | 134.0 |
| 14.0301 | Agricultural Engineering | 25 | 126 | 139 | 132.9 | 134.0 |
| 14.0401 | Architectural Engineering | 3 | 162 | 168 | 164.7 | 164.0 |
| 14.0501 | Bio Engineering | 6 | 120 | 135 | 129.2 | 129.5 |
| 14.0601 | Ceramic Engineering | 2 | 128 | 131 | 129.5 | 129.5 |
| 14.0701 | Chemical Engineering | 53 | 120 | 150 | 132.2 | 132.0 |
| 14.1701 | Industrial/Manufacturing Eng | 35 | 120 | 142 | 130.9 | 131.0 |
| 14.0705 | Chemical & Ocean Eng. | 1 | 133 | 133 | 133.0 | 133.0 |
| 14.0801 | Civil Engineering | 61 | 120 | 150 | 132.9 | 134.0 |
| 14.0895 | Civil & Environmtl Engineering | 2 | 135 | 136 | 135.5 | 135.5 |
| 14.0901 | Computer Engineering | 43 | 120 | 150 | 131.3 | 132.0 |
| 14.1001 | Electrical, Electronics Eng | 62 | 120 | 150 | 131.8 | 131.0 |
| 14.1005 | Electrical & Computer Engineer | 1 | 136 | 136 | 136.0 | 136.0 |
| 14.1101 | Engineering Mechanics | 7 | 126 | 139 | 131.0 | 129.0 |
| 14.1201 | Engineering Physics | 6 | 120 | 135 | 129.7 | 130.0 |
| 14.1301 | Engineering Science | 2 | 136 | 137 | 136.5 | 136.5 |
| 14.1401 | Environmental Health Eng | 8 | 128 | 137 | 130.9 | 129.0 |
| 14.1410 | Forest Engineering | 1 | 141 | 141 | 141.0 | 141.0 |
| 14.1415 | Bio-Resource Engineering | 1 | 130 | 130 | 130.0 | 130.0 |
| 14.1501 | Geological Engineering | 3 | 132 | 139 | 134.3 | 134.0 |
| 14.1701 | Industrial / Mnfctrng Engineer | | | | | |
| 14.1801 | Materials Engineering | 22 | 120 | 150 | 131.5 | 130.5 |
| 14.1901 | Mechanical Engineering | 66 | 120 | 150 | 131.5 | 131.0 |
| 14.1910 | Automotive Engineering | 1 | 128 | 128 | 128.0 | 128.0 |
| 14.2001 | Metallurgical Engineering | 6 | 128 | 139 | 131.8 | 131.0 |
| 14.2101 | Mining & Mineral Processing Eng | 6 | 128 | 138 | 134.2 | 135.5 |
| 14.2201 | Marine (Naval) Engineering | 1 | 138 | 153 | 145.5 | 145.5 |
| 14.2301 | Nuclear Engineering | 14 | 125 | 143 | 131.6 | 131.0 |
| 14.2401 | Coastal & Ocean Eng | 2 | 135 | 137 | 136.0 | 136.0 |
| 14.2501 | Petroleum Engineering | 9 | 128 | 153 | 134.3 | 132.0 |
| 14.2701 | Industrial & Systems Eng | 9 | 120 | 139 | 132.9 | 135.0 |
| 14.2801 | Textile Engineering | 3 | 126 | 137 | 132.7 | 135.0 |
| 14.3001 | Engineering Management | 5 | 120 | 147 | 130.0 | 128.0 |

SURVEY OF PUBLIC UNIVERSITIES AND COLLEGES
SEMESTER CREDIT HOURS REQUIRED TO COMPLETE BACCALAUREATE DEGREE

| CIP | DEGREE TITLE | COUNT OF UNIVERSITIES OFFERING PROGRAM | MINIMUM | MAXIMUM | MEAN | MEDIAN |
|---|---|---|---|---|---|---|
| **ENGINEERING TECHNOLOGY** | | | | | | |
| 15.0201 | Civil Technology | 4 | 128 | 136 | 131.8 | 131.5 |
| 15.0202 | Design Engineering Tech | 4 | 128 | 131 | 129.3 | 129.0 |
| 15.0301 | Computer/Engineering Tech | 3 | 128 | 143 | 135.3 | 135.0 |
| 15.0303 | Electronic Engineering Tech | 14 | 128 | 141 | 131.4 | 131.5 |
| 15.0403 | Electro-Mechanical Eng Tech | 1 | 131 | 131 | 131.0 | 131.0 |
| 15.0504 | Environmntl & Urban Systems | 3 | 124 | 129 | 127.0 | 128.0 |
| 15.0603 | Industrial/Manufacturing Tech | 12 | 120 | 136 | 128.0 | 128.0 |
| 15.0801 | Aeronautical Eng Tech & Mgmt | 1 | 132 | 132 | 132.0 | 132.0 |
| 15.0805 | Mechanical Engineering Tech | 11 | 124 | 135 | 129.5 | 128.5 |
| 15.0901 | Mining Tech | 1 | 120 | 120 | 120.0 | 120.0 |
| 15.0903 | Fuel Science (Petroleum) | 1 | 125 | 125 | 125.0 | 125.0 |
| 15.1001 | Construction/Building Tech | 19 | 120 | 146 | 131.5 | 131.0 |
| 15.1101 | Engineering Tech | 2 | 126 | 136 | 131.0 | 131.0 |
| 15.1102 | Surveying | 7 | 124 | 137 | 130.0 | 130.0 |
| 15.2801 | Textile Technology | 1 | 120 | 123 | 121.5 | 121.5 |
| **FOREIGN LANGUAGES** | | | | | | |
| 16.0101 | Foreign Lang, Multiple | 25 | 120 | 136 | 123.9 | 124.0 |
| 16.0102 | Linguistics | 40 | 120 | 131 | 122.4 | 120.0 |
| 16.0390 | East Asian Lang/Lit | 21 | 120 | 131 | 122.1 | 120.0 |
| 16.0402 | Russian | 47 | 120 | 131 | 122.7 | 120.0 |
| 16.0403 | Slavic Lang & Lit - Polish | 4 | 120 | 120 | 120.0 | 120.0 |
| 16.0501 | German | 60 | 120 | 131 | 123.1 | 122.0 |
| 16.0502 | Scandinavian | 2 | 120 | 120 | 120.0 | 120.0 |
| 16.0905 | Spanish | 65 | 120 | 133 | 123.4 | 123.0 |
| 16.0901 | French | 64 | 120 | 132 | 123.3 | 122.5 |
| 16.0902 | Italian | 29 | 120 | 132 | 121.8 | 120.0 |
| 16.0904 | Portuguese | 16 | 120 | 131 | 121.9 | 120.0 |
| 16.1201 | Classics & Classical Lang. | 43 | 120 | 131 | 122.3 | 120.0 |
| 16.1202 | Greek, Classical | 20 | 120 | 131 | 123.1 | 122.0 |
| 16.1203 | Latin | 28 | 120 | 131 | 123.4 | 123.0 |
| 16.1290 | Medieval, Ancient Studies | 3 | 120 | 124 | 121.3 | 120.0 |
| 16.1401 | Eskimo | 1 | 130 | 130 | 130.0 | 130.0 |
| **HOME ECONOMICS** | | | | | | |
| 19.0101 | Home Economics, Gen | 25 | 120 | 137 | 125.7 | 126.0 |
| 19.0301 | Family and Comm. Service | 3 | 129 | 129 | 129.0 | 129.0 |
| 19.0401 | Family Resource Mgmt Studies | 3 | 124 | 129 | 127.0 | 128.0 |
| 19.0402 | Consumer Science | 8 | 120 | 129 | 124.3 | 124.5 |
| 19.0490 | Family & Consumer Journalism | 1 | 124 | 124 | 124.0 | 124.0 |
| 19.0503 | Dietetics/Nutritional Serv | 40 | 120 | 140 | 126.6 | 128.0 |
| 19.0601 | Housing Studies, General | 1 | 129 | 129 | 129.0 | 129.0 |
| 19.0701 | Home & Family Life (Child Dev) | 27 | 120 | 144 | 125.3 | 124.0 |
| 19.0704 | Marriage & Family Living | 9 | 120 | 131 | 124.1 | 123.0 |
| 19.0901 | Textiles & Clothing | 27 | 120 | 136 | 125.5 | 125.0 |
| 19.0902 | Textile Marketing | 2 | 120 | 120 | 120.0 | 120.0 |

SURVEY OF PUBLIC UNIVERSITIES AND COLLEGES
SEMESTER CREDIT HOURS REQUIRED TO COMPLETE BACCALAUREATE DEGREE

| CIP | DEGREE TITLE | COUNT OF UNIVERSITIES OFFERING PROGRAM | MINIMUM | MAXIMUM | MEAN | MEDIAN |
|---|---|---|---|---|---|---|
| **LAW** | | | | | | |
| 22.0103 | Legal Assisting | 4 | 120 | 120 | 120.0 | 120.0 |
| 22.0120 | Business Law | 1 | 132 | 132 | 132.0 | 132.0 |
| **LETTERS** | | | | | | |
| 23.0101 | English, General | 65 | 120 | 138 | 123.3 | 122.0 |
| 23.0301 | Comparative Lit | 6 | 120 | 126 | 121.7 | 120.0 |
| 23.0501 | Creative Writing | 3 | 120 | 131 | 124.5 | 124.0 |
| 23.0801 | English Literature | 28 | 120 | 131 | 122.8 | 120.5 |
| 23.1001 | Rhetorical Speech & Commun. | 41 | 120 | 131 | 123.8 | 124.0 |
| **LIBERAL / GENERAL STUDIES** | | | | | | |
| 24.0101 | Liberal Arts & Sciences | 31 | 120 | 132 | 123.3 | 120.0 |
| 24.0102 | Independent Studies | 15 | 120 | 131 | 123.5 | 120.0 |
| 24.0103 | Humanities | 29 | 120 | 131 | 122.5 | 120.0 |
| 24.0104 | New College | | | | | |
| **LIFE SCIENCES** | | | | | | |
| 26.0101 | Biology, General | 69 | 120 | 144 | 124.3 | 124.0 |
| 26.0202 | Biochemistry | 40 | 120 | 134 | 124.6 | 124.0 |
| 26.0301 | Botany, General | 33 | 120 | 136 | 124.9 | 124.0 |
| 26.0306 | Plant Pathology | 12 | 120 | 133 | 125.0 | 128.0 |
| 26.0499 | Plant, Molecular, & Cell Bio | 15 | 120 | 144 | 124.9 | 120.5 |
| 26.0501 | Microbiology /Bacteriology | 42 | 120 | 144 | 125.4 | 125.0 |
| 26.0603 | Ecology (Limnology) | 11 | 120 | 130 | 122.9 | 121.0 |
| 26.0607 | Marine/Aquatic Biology | 5 | 121 | 166 | 134.3 | 128.0 |
| 26.0608 | Neuroscience | 1 | 120 | 120 | 120.0 | 120.0 |
| 26.0613 | Genetics, Plant, Seed & Animal | 2 | 120 | 128 | 124.0 | 124.0 |
| 26.0701 | Zoology (WildLife Conservation) | 32 | 120 | 137 | 125.3 | 124.0 |
| 26.0702 | Entomology | 16 | 120 | 132 | 124.7 | 124.5 |
| 26.0706 | Physiology | 1 | 120 | 120 | 120.0 | 120.0 |
| **MATHEMATICS** | | | | | | |
| 27.0101 | Mathematics, General | 71 | 120 | 136 | 123.7 | 122.0 |
| 27.0301 | Applied Math/Math Sci | 27 | 120 | 135 | 124.5 | 122.0 |
| 27.0501 | Statistics | 32 | 120 | 135 | 123.0 | 121.0 |
| **MULTI / INTERDISCIPLINARY** | | | | | | |
| 30.0101 | Biological & Physical Sci | 16 | 120 | 146 | 125.0 | 124.0 |
| 30.0103 | Interdisc Natural Sciences | 4 | 120 | 128 | 123.5 | 123.0 |
| 30.0801 | Interdisc Math & Computer Sci | 3 | 120 | 128 | 122.7 | 120.0 |
| 30.1101 | Gerontology | 2 | 120 | 128 | 124.0 | 124.0 |
| 30.9901 | Independent/Interdisc Studies | 24 | 120 | 139 | 123.7 | 122.0 |
| 30.9901 | Youth & Community Studies | 1 | 130 | 130 | 130.0 | 130.0 |
| 30.9902 | Foreign Lang & Internti Economics | 1 | 121 | 121 | 121.0 | 121.0 |

BEST COPY AVAILABLE

## SURVEY OF PUBLIC UNIVERSITIES AND COLLEGES
## SEMESTER CREDIT HOURS REQUIRED TO COMPLETE BACCALAUREATE DEGREE

| CIP | DEGREE TITLE | COUNT OF UNIVERSITIES OFFERING PROGRAM | MINIMUM | MAXIMUM | MEAN | MEDIAN |
|---|---|---|---|---|---|---|
| **LEISURE AND FITNESS** | | | | | | |
| 31.0301 | Parks & Leisure Studies | 29 | 120 | 136 | 126.4 | 128.0 |
| 31.0501 | Health, Phys Ed, Rec, Sports | 3 | 128 | 130 | 128.7 | 128.0 |
| 31.0503 | Athletic (Sport) Training | 4 | 124 | 128 | 126.3 | 126.5 |
| 31.0504 | Sport Management | 2 | 120 | 124 | 122.0 | 122.0 |
| 31.0505 | Mvmnt - Exercise Sci- Kinesiology | 21 | 120 | 151 | 127.7 | 126.0 |
| **PHILOSOPHY & RELIGION** | | | | | | |
| 38.0101 | Philosophy | 69 | 120 | 131 | 123.4 | 123.0 |
| 38.0201 | Religious Studies | 33 | 120 | 131 | 123.3 | 123.0 |
| 38.0310 | Philosophy & Religion | 5 | 120 | 130 | 124.0 | 124.0 |
| **PHYSICAL SCIENCES** | | | | | | |
| 40.0101 | Radiation Physics | 6 | 120 | 125 | 120.8 | 120.0 |
| 40.0101 | Physical Science | 2 | 120 | 135 | 127.5 | 127.5 |
| 40.0201 | Astronomy | 22 | 120 | 144 | 123.6 | 121.0 |
| 40.0301 | Astrophysics | 1 | 120 | 120 | 120.0 | 120.0 |
| 40.0401 | Atmospheric Sci & Meteorol | 15 | 120 | 135 | 124.5 | 124.5 |
| 40.0501 | Chemistry | 73 | 120 | 144 | 124.4 | 124.0 |
| 40.0508 | Chemical Sciences | 7 | 120 | 130 | 122.7 | 120.0 |
| 40.0510 | Paper Science | 1 | 136 | 136 | 136.0 | 136.0 |
| 40.0596 | Clinical Chemistry | 4 | 120 | 130 | 123.8 | 122.5 |
| 40.0598 | Textile Chemistry | 3 | 120 | 135 | 130.3 | 134.0 |
| 40.0601 | Geology | 65 | 120 | 146 | 124.8 | 124.0 |
| 40.0603 | Geophysics | 6 | 120 | 135 | 126.7 | 126.0 |
| 40.0610 | Mineral Economics | 1 | 120 | 120 | 120.0 | 120.0 |
| 40.0702 | Oceanography | 5 | 120 | 130 | 124.2 | 125.0 |
| 40.0703 | Earth Science | 8 | 120 | 130 | 123.9 | 124.0 |
| 40.0801 | Physics | 71 | 120 | 144 | 124.8 | 124.0 |
| 40.0815 | Physics, Other | 1 | 124 | 129 | 126.5 | 126.5 |
| **PSYCHOLOGY** | | | | | | |
| 42.0101 | Psychology, General | 71 | 120 | 144 | 123.6 | 122.0 |
| 42.1101 | PsychoBiology | 1 | 126 | 126 | 126.0 | 126.0 |
| 42.1601 | Social Psychology | 5 | 120 | 130 | 124.8 | 125.0 |
| **PROTECTIVE SERVICES** | | | | | | |
| 43.0104 | Criminal Justice Studies | 40 | 120 | 132 | 123.5 | 122.5 |
| 43.0106 | Forensic Science | 4 | 120 | 126 | 121.5 | 120.0 |
| 43.0107 | Law Enforcement | 1 | 120 | 120 | 120.0 | 120.0 |
| **PUBLIC SERVICES** | | | | | | |
| 44.0202 | Rural Development/Sociology | 2 | 120 | 128 | 124.0 | 124.0 |
| 44.0401 | Public Administration | 19 | 120 | 132 | 124.2 | 124.0 |
| 44.0701 | Social Work, General | 46 | 120 | 138 | 124.3 | 124.0 |

## SURVEY OF PUBLIC UNIVERSITIES AND COLLEGES
## SEMESTER CREDIT HOURS REQUIRED TO COMPLETE BACCALAUREATE DEGREE

| CIP | DEGREE TITLE | COUNT OF UNIVERSITIES OFFERING PROGRAM | MINIMUM | MAXIMUM | MEAN | MEDIAN |
|---|---|---|---|---|---|---|
| **SOCIAL SCIENCES** | | | | | | |
| 45.0101 | Social Sciences Gen & Applied | 29 | 120 | 131 | 122.7 | 121.0 |
| 45.0103 | Social Ecology | 1 | 120 | 120 | 120.0 | 120.0 |
| 45.0201 | Anthropology | 63 | 120 | 131 | 123.4 | 122.0 |
| 45.0302 | Archeology (Classical & Antiquity) | 1 | 124 | 124 | 124.0 | 124.0 |
| 45.0501 | Demography & Pop Studies | 1 | 125 | 125 | 125.0 | 125.0 |
| 45.0601 | Economics, General & Applied | 64 | 120 | 131 | 123.1 | 121.5 |
| 45.0701 | Geography | 52 | 120 | 135 | 123.3 | 121.0 |
| 45.0801 | History | 72 | 120 | 132 | 123.2 | 122.0 |
| 45.0901 | International Relations | 20 | 120 | 131 | 123.3 | 122.5 |
| 45.1001 | Political Science & Govmt | 69 | 120 | 131 | 123.4 | 123.0 |
| 45.1005 | Social Thought & Political Economy | 1 | 120 | 120 | 120.0 | 120.0 |
| 45.1101 | Sociology | 72 | 120 | 131 | 123.2 | 122.0 |
| 45.1201 | Urban Social Processes | 1 | 120 | 120 | 120.0 | 120.0 |
| **PRODUCTION TRADES** | | | | | | |
| 48.0702 | Furniture Manufacturing & Mgmt | 1 | 132 | 132 | 132.0 | 132.0 |
| **TRANSPORTATION** | | | | | | |
| 49.0101 | Aviation - Aerospace Studies | 3 | 125 | 131 | 127.5 | 128.0 |
| 49.0104 | Aviation Admin/Mgmt | 3 | 125 | 130 | 128.8 | 129.5 |
| 49.0105 | Air Traffic Control | 1 | 125 | 125 | 125.0 | 125.0 |
| 49.0199 | Aviation, Other | 1 | 125 | 132 | 128.5 | 128.5 |
| 49.0401 | Naval Science | 1 | 136 | 136 | 136.0 | 136.0 |

## SURVEY OF PUBLIC UNIVERSITIES AND COLLEGES
## SEMESTER CREDIT HOURS REQUIRED TO COMPLETE BACCALAUREATE DEGREE

| CIP | DEGREE TITLE | COUNT OF UNIVERSITIES OFFERING PROGRAM | MINIMUM | MAXIMUM | MEAN | MEDIAN |
|---|---|---|---|---|---|---|
| **VISUAL AND PERFORMING ARTS** | | | | | | |
| 50.0105 | Integrative Arts | 1 | 124 | 124 | 124.0 | 124.0 |
| 50.0301 | Dance | 32 | 120 | 144 | 125.7 | 125.0 |
| 50.0401 | Design & Visual Communications | 2 | 121 | 127 | 124.0 | 124.0 |
| 50.0402 | Graphic Design | 23 | 120 | 151 | 125.9 | 124.0 |
| 50.0404 | Product (Industrial) Design | 4 | 127 | 154 | 135.0 | 129.5 |
| 50.0407 | Fashion Design & Illustration | 2 | 120 | 129 | 124.5 | 124.5 |
| 50.0408 | Interior Design - Four Year | 26 | 120 | 145 | 126.5 | 124.5 |
| 50.0408 | Interior Design - Five Year | 3 | 154 | 158 | 156.0 | 156.0 |
| 50.0501 | Dramatic Arts - Theatre Design | 59 | 120 | 162 | 124.9 | 124.0 |
| 50.0601 | Motion Picture, TV | 10 | 120 | 126 | 121.6 | 120.5 |
| 50.0602 | Motion Picture & TV Tech | 9 | 120 | 130 | 124.2 | 124.0 |
| 50.0605 | Photography | 2 | 120 | 122 | 121.0 | 121.0 |
| 50.0701 | Art, General | 51 | 120 | 153 | 124.3 | 122.0 |
| 50.0702 | Studio/Fine Art | 44 | 120 | 149 | 126.3 | 126.0 |
| 50.0703 | Art History & Apprec | 43 | 120 | 132 | 122.9 | 121.0 |
| 50.0704 | Arts Administration | 1 | 120 | 120 | 120.0 | 120.0 |
| 50.0801 | Graphics Arts Technology | 5 | 120 | 151 | 127.6 | 121.0 |
| 50.0901 | Music, General | 60 | 120 | 152 | 125.2 | 124.0 |
| 50.0902 | Music History & Apprec | 22 | 120 | 151 | 127.4 | 125.5 |
| 50.0903 | Music Performance | 44 | 120 | 155 | 128.1 | 126.0 |
| 50.0904 | Music Composition | 31 | 120 | 163 | 128.1 | 126.0 |
| 50.0905 | Musicology | 2 | 120 | 148 | 134.0 | 134.0 |
| 50.0908 | Opera Production | 4 | 122 | 134 | 127.3 | 128.0 |
| 50.0913 | Jazz Studies | 10 | 120 | 155 | 132.9 | 132.0 |
| 50.0995 | Music/Music Theory | 21 | 120 | 142 | 126.9 | 126.0 |
| 50.0996 | Music Technology | 1 | 128 | 128 | 128.0 | 128.0 |

## SURVEY OF PUBLIC UNIVERSITIES AND COLLEGES
## SEMESTER CREDIT HOURS REQUIRED TO COMPLETE BACCALAUREATE DEGREE

| CIP | DEGREE TITLE | COUNT OF UNIVERSITIES OFFERING PROGRAM | MINIMUM | MAXIMUM | MEAN | MEDIAN |
|---|---|---|---|---|---|---|
| **HEALTH PROFESSIONS** | | | | | | |
| 51.0204 | Speech Path & Audiol Disorders | 39 | 120 | 136 | 123.9 | 124.0 |
| 51.0301 | Community Health Ed | 3 | 124 | 136 | 128.0 | 124.0 |
| 51.0305 | Human Services | 2 | 121 | 122 | 121.5 | 121.5 |
| 51.0602 | Dental Hygiene | 4 | 120 | 132 | 125.0 | 124.0 |
| 51.0701 | Health Services Admin | 12 | 120 | 134 | 125.1 | 124.0 |
| 51.0706 | Health Information Mgmt | 11 | 120 | 138 | 127.3 | 129.0 |
| 51.0807 | Physician Assistant | 7 | 120 | 177 | 137.1 | 130.0 |
| 51.0808 | Veterinary Tech | 1 | 120 | 120 | 120.0 | 120.0 |
| 51.0904 | Emergency Health Services | 1 | 120 | 120 | 120.0 | 120.0 |
| 51.0905 | Nuclear Medicine Technology | 2 | 130 | 133 | 132.0 | 132.5 |
| 51.0907 | Radiologic (Med) Tech | 8 | 120 | 146 | 128.5 | 128.0 |
| 51.0908 | Respiratory Therapy | 10 | 120 | 152 | 135.5 | 132.5 |
| 51.1002 | Cytotechnology | 4 | 124 | 150 | 136.3 | 137.5 |
| 51.1005 | Medical Technology | 37 | 120 | 162 | 129.4 | 128.0 |
| 51.1199 | Pre-Dental-Pre-Medical-Pre-Vet | 7 | 120 | 128 | 125.5 | 127.0 |
| 51.1201 | Human Medicine | 1 | 120 | 120 | 120.0 | 120.0 |
| 51.1399 | Biobehavioral Health | 1 | 125 | 125 | 125.0 | 125.0 |
| 51.1401 | Clinical Lab Science | 1 | 124 | 124 | 124.0 | 124.0 |
| 51.1601 | Nursing | 51 | 120 | 140 | 127.3 | 128.0 |
| 51.1701 | Optometry | 1 | 129 | 129 | 129.0 | 129.0 |
| 51.1901 | Osteopathic Medicine | 1 | 120 | 120 | 120.0 | 120.0 |
| 51.2001 | Pharm. Sciences - Four Year | 5 | 120 | 138 | 128.4 | 124.0 |
| 51.2001 | Pharmacy - Five Year | 17 | 150 | 188 | 164.7 | 161.0 |
| 51.2202 | Environmental Health | 2 | 120 | 168 | 144.0 | 144.0 |
| 51.2207 | Public Health Promotion/Fitness | 3 | 128 | 130 | 129.0 | 129.0 |
| 51.2305 | Music Therapy | 9 | 122 | 150 | 134.1 | 132.0 |
| 51.2306 | Occupational Therapy | 18 | 120 | 163 | 130.4 | 130.5 |
| 51.2307 | Orthotics/Prosthetics | 1 | 120 | 120 | 120.0 | 120.0 |
| 51.2308 | Physical Therapy | 19 | 120 | 172 | 137.6 | 134.0 |
| 51.2310 | Vocational Rehab Counsel | 3 | 120 | 135 | 122.7 | 120.0 |
| 51.2399 | Rehabilitative Services | 5 | 127 | 136 | 128.8 | 127.0 |
| 51.3401 | Vet Med | 1 | 120 | 120 | 120.0 | 120.0 |
| 51.3703 | Medical Illustration | 1 | 125 | 125 | 125.0 | 125.0 |
| 51.3799 | Health Science | 7 | 120 | 136 | 127.1 | 128.0 |

BEST COPY AVAILABLE

## SURVEY OF PUBLIC UNIVERSITIES AND COLLEGES
## SEMESTER CREDIT HOURS REQUIRED TO COMPLETE BACCALAUREATE DEGREE

| CIP | DEGREE TITLE | COUNT OF UNIVERSITIES OFFERING PROGRAM | MINIMUM | MAXIMUM | MEAN | MEDIAN |
|---|---|---|---|---|---|---|
| **BUSINESS & MANAGEMENT** | | | | | | |
| 52.0101 | Business, General | 34 | 120 | 132 | 124.4 | 124.5 |
| 52.0201 | Busi Admin & Mgmt | 44 | 120 | 132 | 124.3 | 124.5 |
| 52.0202 | Purchasing/Logistics Mgmt | 3 | 120 | 128 | 124.7 | 126.0 |
| 52.0205 | Office or Operations Mgmt | 5 | 124 | 130 | 128.1 | 128.0 |
| 52.0210 | Busi. Oper. & Intrntl Busi | 1 | 148 | 148 | 148.0 | 148.0 |
| 52.0301 | Accounting | 59 | 120 | 148 | 125.4 | 126.0 |
| 52.0310 | Acctg & Computer Info Systems | 1 | 126 | 126 | 126.0 | 126.0 |
| 52.0601 | Economics | 37 | 120 | 148 | 125.7 | 126.0 |
| 52.0801 | Finance, General | 52 | 120 | 148 | 125.6 | 126.0 |
| 52.0802 | Actuarial Science | 3 | 124 | 135 | 129.0 | 128.0 |
| 52.0805 | Insurance & Risk Mgmt | 14 | 120 | 148 | 125.4 | 125.5 |
| 52.0901 | Hospitality Admin/Mgmt | 18 | 120 | 133 | 125.5 | 128.0 |
| 52.0903 | Travel & Tourism | 2 | 122 | 128 | 125.0 | 125.0 |
| 52.1001 | Human Resources Mgmt | 15 | 120 | 140 | 126.6 | 128.0 |
| 52.1002 | Labor & Industrial Relations | 1 | 124 | 124 | 124.0 | 124.0 |
| 52.1101 | International Busi. Mgmt | 15 | 120 | 154 | 129.1 | 128.0 |
| 52.1201 | MIS/Busi Data Proc | 21 | 120 | 142 | 127.4 | 128.0 |
| 52.1301 | Management Science | 24 | 120 | 140 | 125.8 | 126.0 |
| 52.1302 | Stats & Quantitative Research | 2 | 128 | 130 | 129.0 | 129.0 |
| 52.1401 | Business Marketing Mgmt | 48 | 120 | 148 | 125.1 | 125.0 |
| 52.1501 | Real Estate | 17 | 120 | 148 | 126.4 | 126.0 |
| 52.9990 | Industrial Distribution | 2 | 128 | 132 | 130.0 | 130.0 |
| 52.9995 | Transportation Mgmt | 10 | 120 | 132 | 127.6 | 128.0 |

INCLUDES SAMPLE OF FLORIDA UNIVERSITIES

10/30/95, corrected Int. Des. 3/96 RESPONS5 sheet 2